Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/06/2022 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122973	-2	7.34	122834	7.45
Blue	F	SSC	125000	121702	-3	7.66	122018	7.75
Blue	E	FITC	14284	13478	-6	7.63 (1)	379	16.29
Blue	D	PE	23919	23057	-4	7.64	550	13.94
Blue	B	PerCP-Cy5-5	31332	30207	-4	8.07	867	18.41
Blue	A	PE-Cy7	22272	21767	-3	10.22	452	36.24
Red	C	APC	47768	46789	-3	4.39	1619	12.97
Red	A	APC-Cy7	25313	24338	-4	5.46	685	14.24
Violet	B	V450	7085	6668	-6	7.11 (2)	466	13.78
Violet	A	V500	26969	25871	-5	6.91	883	11.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23567	7.58	600	11	N/A	N/A	Pass
Blue	F	SSC	52707	7.69	528	7	N/A	N/A	Pass
Blue	E	FITC	54	58.52	502	1	0.0344	17	Pass
Blue	D	PE	104	44.68	500	3	0.2892	276	Pass
Blue	B	PerCP-Cy5-5	130	47.25	592	4	0.0148	32	Pass
Blue	A	PE-Cy7	71	94.89	644	9	0.0167	3	Pass
Red	C	APC	331	28.32	584	4	0.0225	119	Pass
Red	A	APC-Cy7	126	37.79	558	3	0.0051	1049	Pass
Violet	B	V450	78	52.09	462	-1	0.0455	2217	Pass
Violet	A	V500	102	33.63	474	0	0.0192	603	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.28	-31.19	1.06
Blue	20.35	16.28 - 24.42	1.30	1.02 - 1.52	0.00	0.00	1.44
Red	13.96	13.60 - 20.40	N/A	N/A	29.61	29.83	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13982

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments